

# Thrust

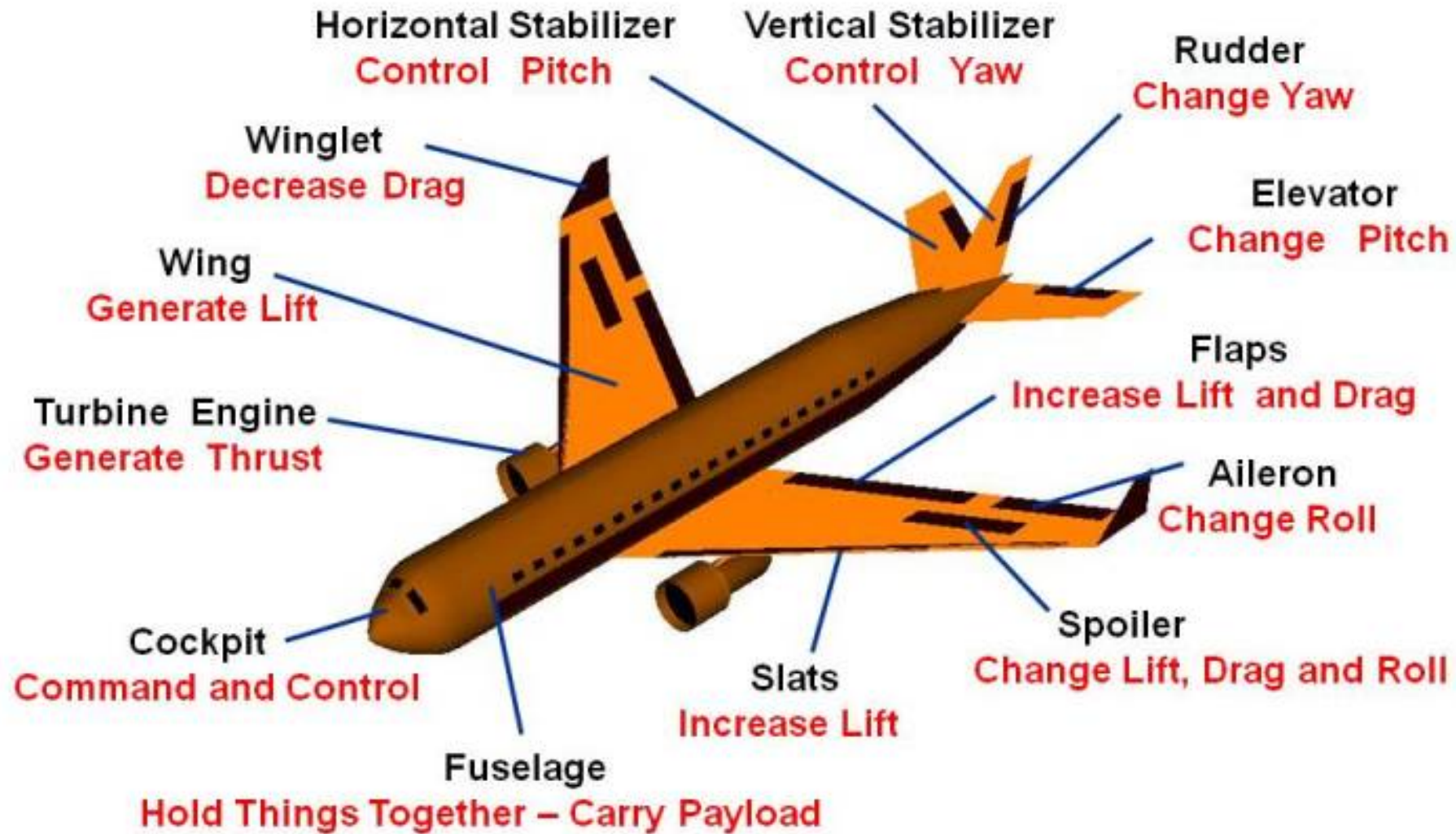


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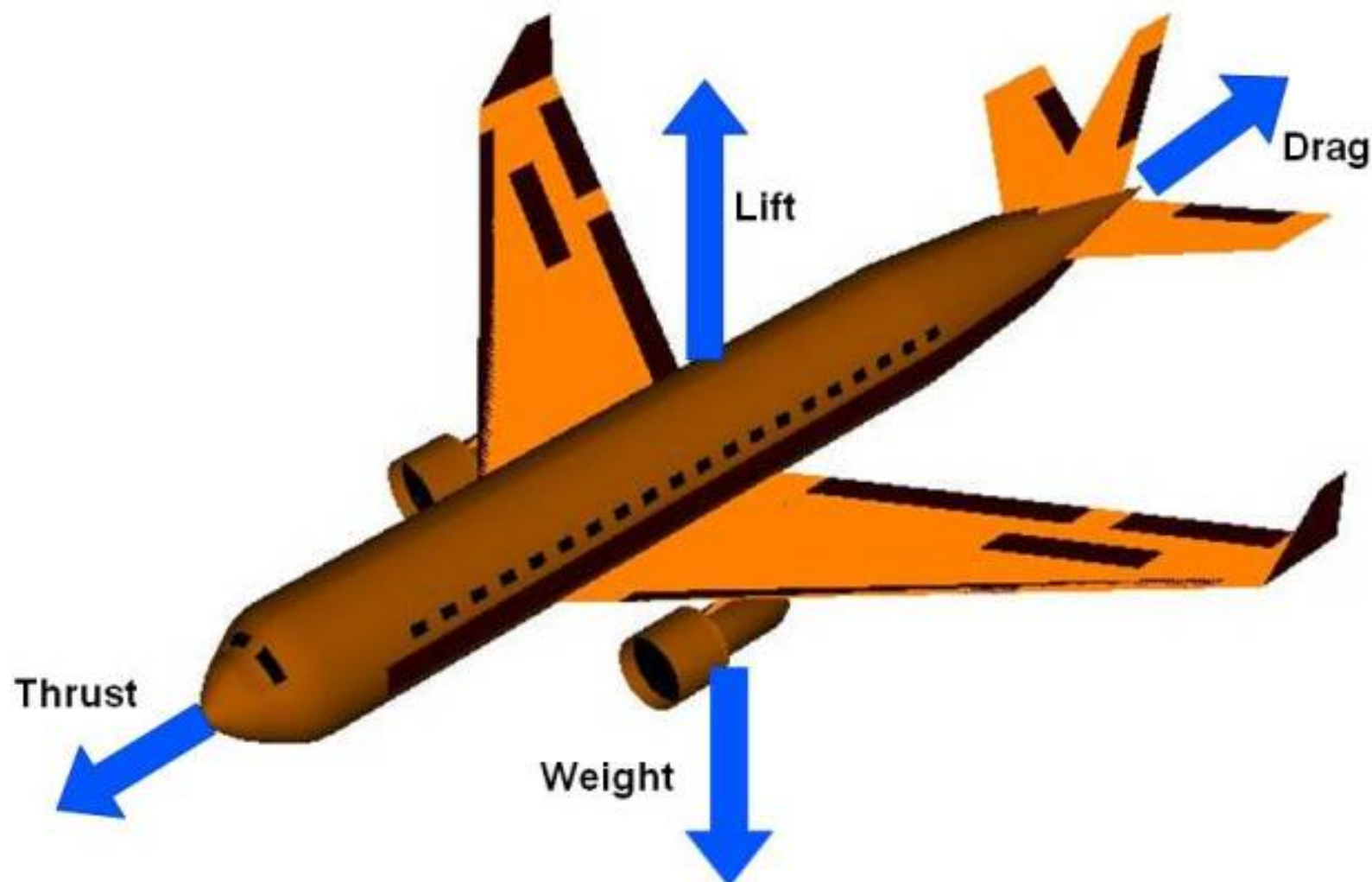
# Airplane Parts *and Function*





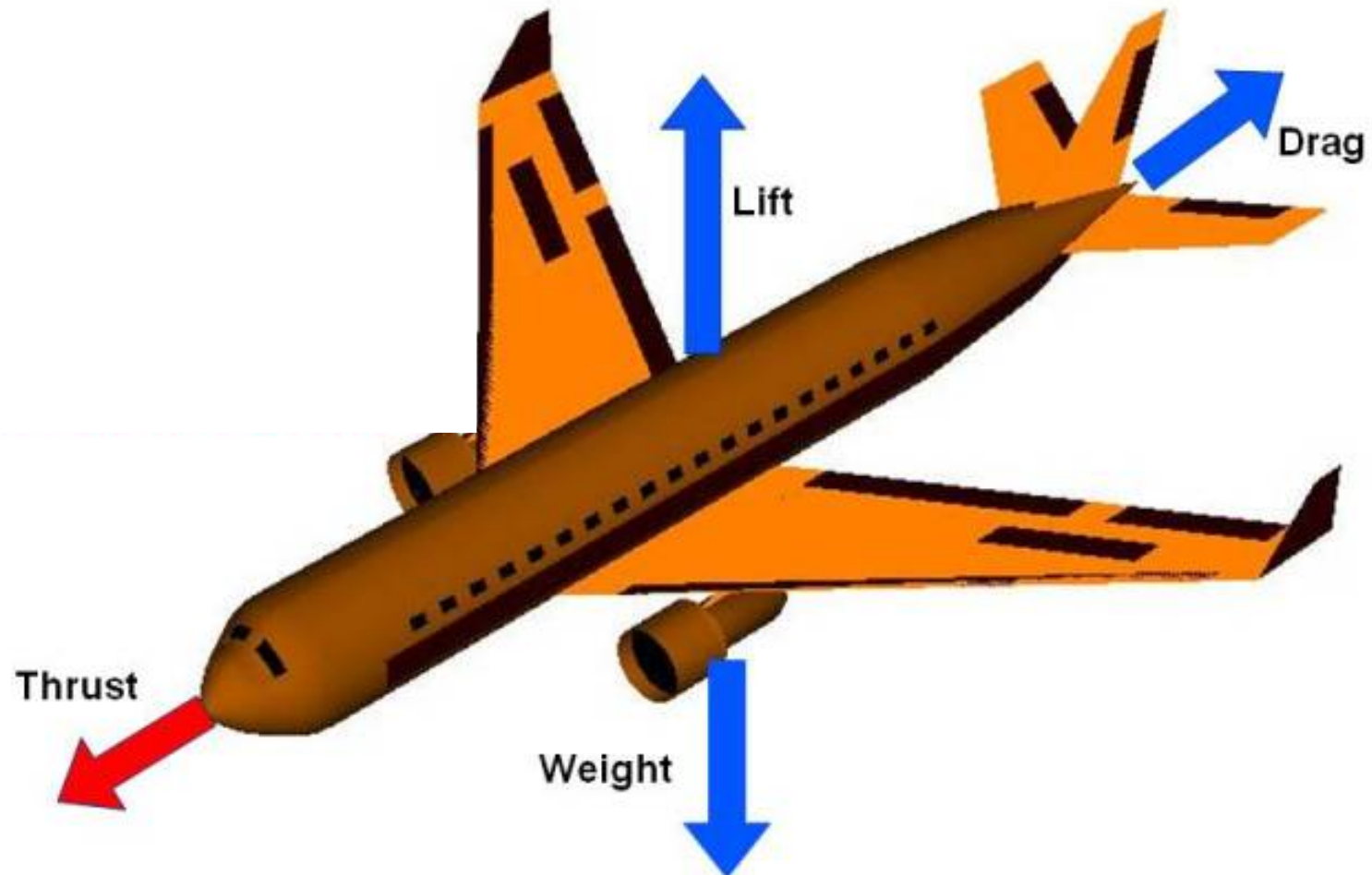


# *Four Forces on an Airplane*





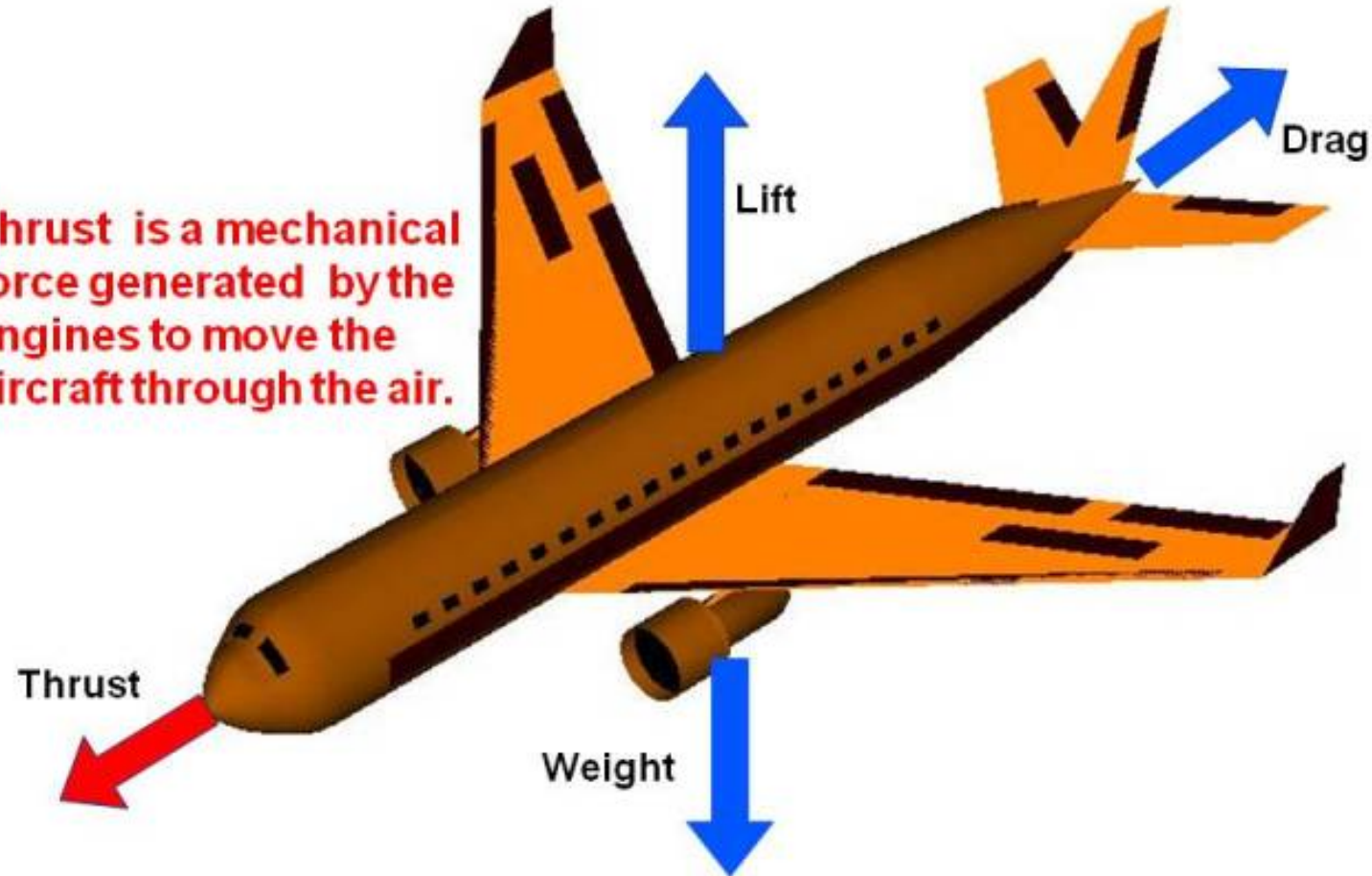
# ***What is Thrust ?***



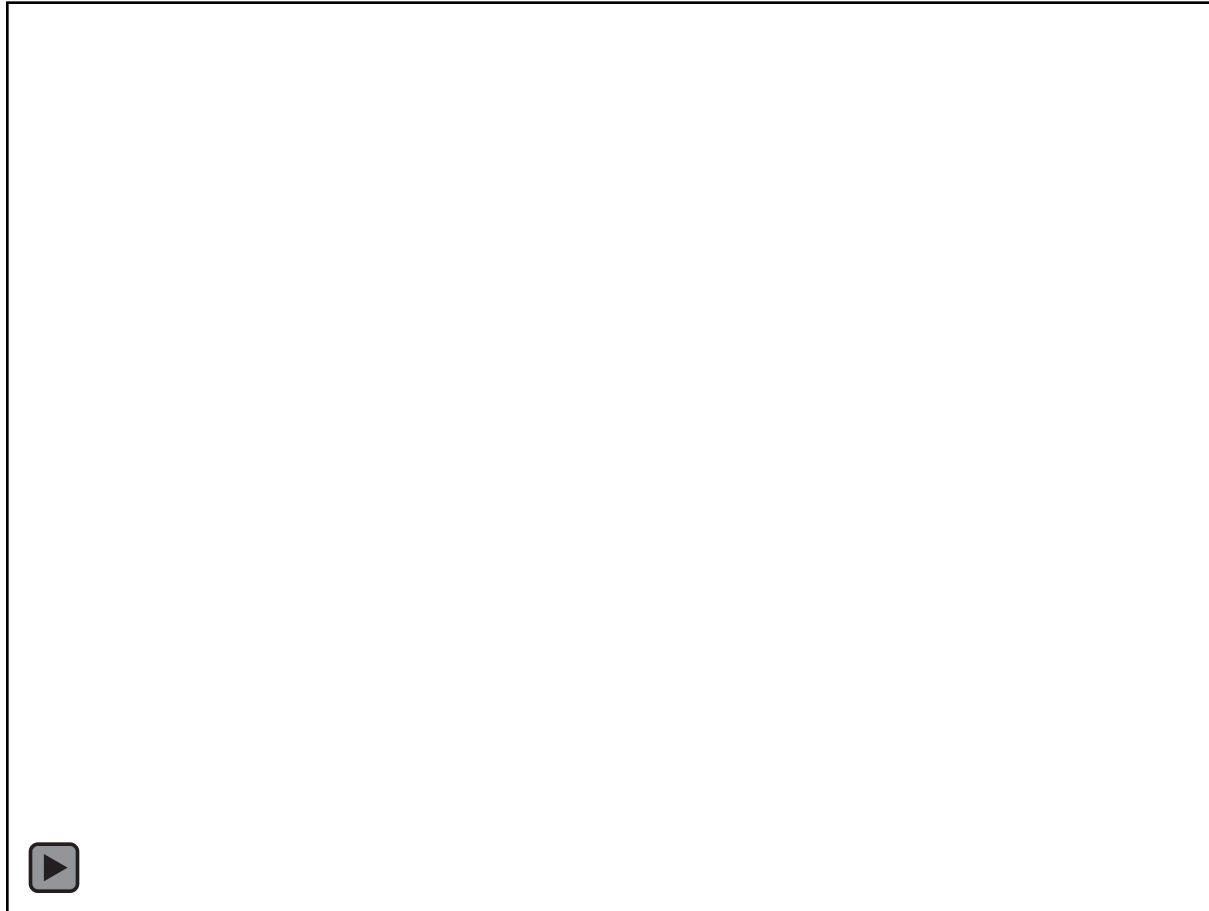


# What is Thrust ?

**Thrust is a mechanical force generated by the engines to move the aircraft through the air.**



# The Wrights Explain Thrust



# Principles of Propulsion

- A gas, or **working fluid**, is accelerated by the engine, and the reaction to this acceleration produces a force on the engine



# Types of Propulsion

- Jet Engines
- Reciprocating Engines
- Propellers

- <http://www.grc.nasa.gov/WWW/k-12/airplane/bgp.html>
- <http://www.grc.nasa.gov/WWW/K-12/UEET/StudentSite/engines.html>
- <http://www.infoplease.com/encyclopedia/science/internal-combustion-engine-reciprocating-engines.html>
- <http://www.grc.nasa.gov/WWW/K-12/airplane/propeller.html>